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County Council of Ross and Cromarty

ANNUAL REPORT

OF THE

COUNTY MEDICAL OFFICER

ON

SCHOOL HEALTH ADMINISTRATION

FOR THE

Year ending 31st July, 1948

INSTITUTE OF SOCIAL
MEDICINE

10, PARKS ROAD,
OXFORD

To the Convener and Members
of the County Council
of Ross and Cromarty.

Ladies and Gentlemen,

I herewith submit to you the ANNUAL REPORT on School Health Administration within the County for the year ending July 31st, 1948.

I take this opportunity to express my thanks to both my Assistants, Dr. Doig and Dr. McArthur, Nurses, Teachers and Public Health Staffs who assisted in the carrying out of the work.

I am,

Yours faithfully,

J. LANDESS HORNE

CHIEF SCHOOL MEDICAL OFFICER.

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INTRODUCTION.

This report refers to the School Year ending July 1948. These inspections have been carried out, as in former years by Dr. Doig in the Lewis and Dr. McArthur on the Mainland.

In the main, the results noted do not reveal any great departure from previous years, except in that there has been on the Mainland, an increase in the number of cases of cervical adenites. Dental caries on the Mainland, is still greatly in excess of that in the Lewis, while on the Mainland also, enlarged tonsils appear to be much more common than in the Lewis.

ANNUAL REPORT.

YEAR 1947/48.

1. LIST OF STAFF.

(a) Whole-time:-

Medical Officer of Health & School Medical Officer:

J. LANDESS HORNE, M.D., Ch.B., D.P.H.

Deputy Medical Officers of Health & Deputy School Medical Officers:

Lewis:-	R. STEVENSON DOIG, M.B., Ch.B., D.P.H.
Mainland:-	MARY H. MacARTHUR, M.B., Ch.B.

(b) Part-time:-

School Ophthalmic Consultants:

Whole County:- THEODORE CHALMERS, M.B., Ch.B., F.R.C.S.

School Dentists.

Mainland:-	WILLIAM J. ROSS L.D.S.
Lewis:-	MATHESON and McDONALD L.D.S.

Clerks to Public Health Department:

Mainland:-	P.A. MARSHALL.
Lewis:-	A.D. McIVER.

School Nurses.

The Nurses employed by the various District Nursing Associations act as Part-time School Nurses in respect of the Schools within their respective areas.

2. GENERAL STATISTICS.

	Mainland.	Lewis.	Total.
Population of the Area (Estimated)	35,746	26,500	62,246
Number of Schools:-			
(a) Primary	69	34	103
(b) Junior Secondary	4	3	7
(c) Secondary	6	1	7
(d) Side Schools	16	1	17
(e) (i) Special Schools (Duncraig & Balmacara)..	2	-	2
(ii) Special Classes in Ordinary Schools	-	-	-
(f) In respect of Grant from Education Authority and Under Medical Inspection	All	All	All
Number of Children on the Registers	5,425	3,936	9,361

3./

3. SANITARY CONDITIONS OF SCHOOLS.

The majority of the School Buildings in the County are of some age and are below the present-day standards of school construction.

The war years interrupted many plans for modernisation of old buildings and lack of raw materials being still a major problem, structural alterations are not possible to any great extent but during the year under review a large number of the schools, have been freshened up considerably by renewing the paintwork.

LIGHTING:- With the gradual progress of the Hydro Electric Scheme many schools, both large and small have been wired for electric light and when Hydro Electric Schemes are completed these buildings will be connected to the supplies. In some of the older schools the window lighting is insufficient and artificial lighting has to be used for part of the day in winter.

VENTILATION:- Ventilation of schools is by natural methods which can be quite satisfactory if the necessary windows are kept open, unfortunately where heatin methods are poor, it is often necessary to close windows in order to keep the children warm.

HEATING:- The larger schools are equipped with low-pressure central heating systems while the smaller rural schools are heated by open coal fires which are often not very effective.

SCHOOL CLEANING:- There is still a shortage of school cleaners and in many of the smaller schools the teachers clean the schools themselves.

Many schools appear to lack sufficient cupboard accommodation and piles of school books and teaching materials lying in class-rooms, collect dust and give an air of untidiness to the premises.

WASHING FACILITIES & WATER SUPPLIES:- In towns and in some villages the schools are provided with water supplies either by gravitation or by a hand pump, other have no supply except from springs or wells which in some cases are open to pollution.

Even where washing facilities are provided there is not enough attention paid to the supply of soap and towels and this does not encourage the children in the regular washing of their hands.

CLOAKROOMS AND COAT-RACKS:- Schools with central heating have usually adequate cloak-room accommodation and facilities for drying wet clothes. Elsewhere such provision is inadequate.

SANITARY CONVENIENCES:- In most instances where water is available, schools have a water-carriage system. Elsewhere chemical closets are installed and these can be quite satisfactory if attended to.

In some rural areas the sanitary conveniences are poor, and indeed in a few cases they are completely lacking.

PLAYGROUNDS:- Many schools have no proper playground, the ground being a quagmire in wet weather, and the general lack of playsheds, necessitates the use of the school during intervals, thus preventing thorough ventilation of the school.

4. ORGANISATION AND ADMINISTRATION.

The systematic medical inspection of mainland school children was again carried out in accordance with the procedure laid down by the Department of Health for Scotland.

During the school medical inspection, the doctor is assisted by the District Nurse when available, and facilities are given for the parents to attend if they so desire.

Parents/

Parents are notified of defects and are requested to take the child to the family doctor when this is considered necessary. Where admission to hospital for specialist treatment is necessary this is arranged in conjunction with the family doctor.

B. - SYSTEM AND EXTENT OF DENTAL INSPECTION AND TREATMENT.

The school dental work was carried out as in previous years by Mr Ross, who is employed part-time. Cases found at routine medical inspection to be in need of dental treatment are so recommended, and after the approval of the parent has been obtained the child is treated by Mr Ross when he subsequently visits the school.

C. - SCHOOL NURSING AND ARRANGEMENTS FOR FOLLOWING-UP.

The District Nurses in the various areas act as School Nurses. They follow-up cases and treat minor ailments. They also carry out monthly surveys of schools in their area for the control and treatment of verminous children and report the results of their inspection to the School Medical Officer.

D. - CO-ORDINATION WITH THE PUBLIC HEALTH SERVICE AND WITH OTHER DEPARTMENTS OF THE LOCAL AUTHORITY WHICH RENDER SERVICES TO CHILDREN.

Since the School Medical Services and all other Public Health activities are directly administered by the County Medical Officer, complete co-ordination is automatically achieved.

E. - CO-OPERATION WITH VOLUNTARY BODIES AND OTHER OUTSIDE AGENCIES.

Close co-operation is maintained with the various Nursing Associations in the County and has already been referred to when dealing with the School Nursing arrangements.

The operative treatment of enlarged tonsils and adenoids is carried out under arrangements made with the Royal Northern Infirmary, Inverness.

Liason is also maintained with the local representative of the Royal Society for Prevention of Cruelty to Children.

F. - CO-OPERATION WITH TEACHERS AND PARENTS.

The success of a School Medical Inspection depends very much upon the efficient preliminary arrangements. Such arrangements have willingly been carried out by the Head Teachers.

Parents on the whole do not attend inspections. The number of children who were accompanied by their parents at routine medical inspections this year was only 3.12% of all those examined.

5. THE FINDINGS OF MEDICAL INSPECTION. (Mainland).

A. - GENERAL REVIEW.

1. CLOTHING.

Nearly all of the children examined at routine inspection were found to be warmly clad, in clean well-kept clothes. Of the 1492 children examined in Systematic Age Groups, 3 or 0.20% were found to have clothing which was insufficient or unclean.

In respect of 707 children dealt with at other Systematic Examinations 1 or 0.14% was found to be insufficiently clad.

2. FOOTGEAR.

Of 1492 children examined in Systematic Age Groups, 3 or 0.20% were found to have unsatisfactory footgear. At other Systematic Examinations 1 or 0.14% were so/

so found.

3. UNCLEANLINESS OF HEAD AND BODY.

During the year an improvement was noted in the incidence of verminous infestation of the children examined.

This was also observed during non-routine visits to the schools. This improved state of affairs is due to a large extent, to the persistent efforts of our District Nurses who have regularly paid follow-up visits on chronic offenders.

Of 1492 children in Systematic Age Groups, 89 or 5.97% were found to have unclean or verminous heads and none were found to have verminous bodies. The % for 1947 was 8.3%.

Of 707 children examined at other Systematic Examinations, 38 or 5.37% had unclean or verminous heads and none had verminous bodies.

4. SKIN DISEASES.

Except for impetigo, which occasionally occurs in small outbreaks in individual schools, skin diseases are infrequent.

(a) Head -

Among 1492 children examined in Systematic Age Groups the following conditions were found:-

Ringworm..........	-	or	-
Impetigo..........	3	or	0.20%
Other Diseases.....	1	or	0.07%

Other Systematic Examinations of 707 children showed:-

Ringworm	-	or	-
Impetigo	1	or	0.14%
Other Diseases	3	or	0.42%

(b) Body -

Of 1492 children examined in Systematic Age Groups, the following were the results:-

Ringworm	3	or	0.20%
Impetigo	1	or	0.07%
Scabies	6	or	0.40%
Other Diseases	14	or	0.94%

Among 707 children examined at other Systematic Examinations conditio were as follows:-

Ringworm	-	or	-
Impetigo	-	or	-
Scabies	3	or	0.42%
Other Diseases ...	3	or	0.42%

5. NUTRITIONAL STATE.

The majority of the children examined were found to be well nourished but slight defects of nutrition were seen, such as unhealthy gums, chronic nasal catarrh, and slight anaemia. These departures from the normal would appear to indicate shortages of green vegetables, fruit and protective substa in the diets.

There are now 13 School canteens in the County, and these provide excellent well-balanced meals. Three schools are supplied with hot mid-day meals which are carried by road from a main school canteen. In the areas supplied by the canteens a distinct improvement in the nutrition of the children was observed.

62 schools are now supplied with Tuberculin-tested fresh forenoon milk and 23 schools have National Dried Milk supplied.

Of 1492 children examined in the Systematic Age Groups 77 or 5.16% showed slight nutritional defects while none were found to have serious defects of nutrition.

Among 707 children seen at other Systematic Examinations 23 or 3.25% were found to be suffering from slight malnutrition while 1 or 0.14% was found to have serious nutritional defects..

6. MOUTH AND TEETH.

Of 1492 children examined in the Systematic Age Groups 394 or 26.41% were regarded as having unhealthy conditions of the mouth and teeth.

Of 707 other Systematic Examinations 186 or 26.32% were found defective.

These figures represent cases definitely requiring treatment and do not include trivial caries of temporary teeth.

7. NASO-PHARYNX.

Among the 1492 children examined in Systematic Age Groups the following defects were found:-

(a) Nose:-

(1)	Obstruction requiring observation	7	or	0.47%
(2)	Obstruction requiring operative treatment..	9	or	0.60%
(3)	Other conditions	-	-	-

(b) Throat:-

(1)	Tonsils requiring observation	110	or	7.30%
(2)	Tonsils requiring operative treatment	123	or	8.24%

(c) Glands:-

(1)	Requiring observation	194	or	13.00%
(2)	Requiring operative treatment	-	-	-

For 707 children examined at Other Systematic Examinations the figures were as follows:-

(a) Nose:-

(1)	Obstruction requiring observation	3	or	0.42%
(2)	Obstruction requiring operative treatment..	4	or	0.56%
(3)	Other conditions	-	-	-

(b) Throat:-

(1)	Tonsils requiring observation	37	or	5.23%
(2)	Tonsils requiring operative treatment	62	or	8.77%

(c) Glands:-

(1)	Requiring observation	34	or	4.81%
(2)	Requiring operative treatment	1	or	0.14%

185 cases which were found to have definite nasal obstruction with mouth-breathing and an unhealthy nose and throat were recommended for operative treatment.and 60 were operated upon during the year under the Authority's Schemel.

The incidence of enlarged cervical glands has increased by over 250% that of 1947's findings, and although all of these cases are not necessary of a tuberculous nature it is felt that the majority probably are.

8. EYES.

(a) External Diseases.

In the Systematic Age Groups, the 1492 children examined presented the following defects:-

Blepharitis	.....	9	or	0.60%
Conjunctivitis	.....	-	or	-
Corneal Opacities	.....	3	or	0.20%
Strabismus	.....	34	or	2.28%
Other Diseases	.....	1	or	0.07%

As a result of 707 Other Systematic Examinations the following defects were disclosed:-

Blepharitis	.....	7	or	0.99%
Conjunctivitis	.....	-	or	-
Corneal Opacities	.....	1	or	0.14%
Strabismus	.....	19	or	2.69%
Other Diseases	.....	1	or	0.14%

(b) Visual Acuity.

Of 1492 children examined in Systematic Age Groups 9 or 0.60% were found to have defective vision not worse that 6/12 in the better eye, and 47 o 3.15% had more serious defect. All of these were recommended for refraction.

As a result of 707 Other Systematic Examinations 5 or 0.71% were found to have defective vision not worse than 6/12 in the better eye and 41 or 5.80% had vision worse than this. All cases were recommended for refraction.

9. EARS.

(a) Diseases.

In Systematic Age Groups 1492 children were examined and 2 or 0.13% were found to have Otorrhea and 1 or 0.07% to suffer from other diseases of the ear

Of the 707 children examined at other Systematic Examinations 3 or 0.42% had Otorrhea.

(b) Defective Hearing.

Of the 1492 children examined in Systematic Age Groups cases of defective hearing of the following degrees and numbers were noted -

Grade 1	--------	1	or	0.07%
Grade 11a	--------	-	-	-
Grade 11b	--------	-	-	-
Grade 111	--------	-	-	-

In respect of 707 children examined under Other Systematic Examinations, the relevant details were -

Grade 1	--------	1	or	0.14%
Grade 11a	--------	-	-	-
Grade 11b	--------	1	or	0.14%
Grade 111	--------	-	-	-

10. SPEECH.

In Systematic Age Groups 1492 children were examined and of those 4 or 0.27% had defective articulation and 6 or 0.40% stammered.

Amongst the 707 children examined at Other Systematic Examinations 5 or 0.71% had defective articulation while 1 or 0.14% suffered from stammer.

11./

11. MENTAL AND NERVOUS CONDITION.

In Systematic Age Groups 1492 children were examined and the following defects found -

(a)	Backward (due to irregular attendance)	2 or 0.13%
(b)	Dull (intrinsically)	9 or 0.60%
(c)	Mentally defective (educable)	2 or 0.13%
(d)	Mentally defective (ineducable)	- or -
(e)	Highly nervous or unstable	3 or 0.20%
(f)	Difficult in behaviour	- or -

For 707 children examined at Other Systematic Examinations, the figures were -

(a)	Backward (due to irregular attendance)	1 or 0.14%
(b)	Dull (intrinsically)	5 or 0.71%
(c)	Mentally defective (educable)	- or -
(d)	Mentally defective (ineducable)	2 or 0.28%
(e)	Highly nervous or unstable	- or -
(f)	Difficult in behaviour	- or -

12. CIRCULATORY SYSTEM.

Amongst 1492 children examined in Systematic Age Groups, the following defects were found -

(a) Organic Heart Disease -

(1)	Congenital	2 or 0.13%
(2)	Acquired	5 or 0.34%

(b)	Functional conditions	2 or 0.13%

At Other Systematic Examinations, 707 children presented the following defects -

(a) Organic Heart Disease -

(1)	Congenital	- or -
(2)	Acquired	2 or 0.28%

(b)	Functional conditions	- or -

13. LUNGS.

In Systematic Age Groups, 1492 children were examined and the following defects disclosed -

Chronic Bronchitis	34 or 2.28%
Suspected Tuberculosis	2 or 0.13%
Other Diseases	2 or 0.13%

For 707 children examined at Other Systematic Examinations the figures were -

Chronic Bronchitis	12 or 1.69%
Suspected Tuberculosis	3 or 0.42%
Other Diseases	2 or 0.28%

None of the children suspected of having tuberculosis were found to suffer from this disease when they were further examined by the Tuberculosis Officer.

14. DEFORMITIES.

The following defects were found amongst the 1492 children examined in Systematic Age Groups -

(a)/

(a) Congenital	12 or 0.80%
(b) Acquired (Infantile Paralysis)	1 or 0.07%
(c) Acquired (probably Rickets)	21 or 1.41%
(d) Acquired (other causes)	8 or 0.54%

For 707 children seen at Other Systematic Examinations the figures were -

(a) Congenital	2 or 0.28%
(b) Acquired (Infantile Paralysis)	1 or 0.14%
(c) Acquired (probably Rickets)	3 or 0.42%
(d) Acquired (other causes)	1 or 0.14%

15. INFECTIOUS DISEASES.

In the Systematic Age Groups one child was found suffering from infectious disease. This case represents 0.07% of the 1492 children examined.

No cases were found at Other Systematic Examinations.

16. OTHER DISEASES OR DEFECTS.

21 cases of miscellaneous defects not otherwise classified representing 1.41% were found among the 1492 children examined in Systematic Age Groups.

Among the 707 children seen at Other Systematic Examinations 10 such cases we found representing 1.41%.

STATISTICAL TABLES (Mainland).

TABLE 1.

Total number of children examined at:-

A.

	Systematic Age-Group Examinations.	Other Systemat Examinations
Entrants	512	All Ages.
Second Age-Group	471	
Third Age-Group	445	
Fourth Age-Group	64	
	1492	707

B. Other Examinations:-

Special Cases	604
Re-inspection by Medical Officer	42
	646

Number of individual children inspected at Systematic Examinations who were notified to parents as requiring treatment (excluding uncleanliness and dental caries) -

Entrants	127
Second Age-Group	132
Third Age-Group	99
Fourth Age-Group	14
Other Systematic Examinations	199
	571

TABLE 11./

SCHOOL YEAR 1947 - 48.

Nature of Defect.	Systematic Examination of Age Groups																					Other systematic examinations.				
		Number found with defects.																					Number found with defects.			
	Total number examined	Entrants				2nd Age Group				3rd Age Group				4th Age Group				Total in Age Groups				Number examined	All other ages			
	1492	269		243		268		203		233		212		23		41		793		699		707	370		337	
		Boys		Girls		Boys		Girls		Boys		Girls		Boys		Girls		Boys		Girls			Boys		Girls	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		No.	%	No.	%
1. Clothing unsatisfactory		-	-	2	0,82	-	-	-	-	-	-	1	0.47	-	-	-	-	-	-	3	0.43		1	0.27	-	-
2. Footgear unsatisfactory		1	0.37	-	-	2	0.75	-	-	-	-	-	-	-	-	-	-	3	0.38	-	-		1	0.27	-	-
3. Uncleanliness -																										
(a) Head		10	3.71	24	9.88	8	2.98	18	8.87	5	2.14	24	11.32	-	-	-	-	23	2.90	66	9.44		12	3.24	26	7.71
(b) Body		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
4. Skin -																										
(a) Head -																										
Ringworm		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
Impetigo		-	-	2	0.82	-	-	-	-	-	-	1	0.47	-	-	-	-	-	-	3	0.43		1	0.27	-	-
Other diseases ..		-	-	-	-	-	-	-	-		-	1	0.47	-	-	-	-	-	-	1	0.14		1	0.27	2	0.59
(b) Body -																										
Ringworm		1	0.37	1	0.41	1	0.37	-	-	-	-	-	-	-	-	-	-	2	0.25	1	0.14		-	-	-	-
Impetigo		-	-	1	0.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.14		-	-	-	-
Scabies		2	0.74	2	0.82	1	0.37	1	0.49	-	-	-	-	-	-	-	-	3	0.38	3	0.43		-	-	3	0.89
Other diseases ..		4	1.48	-	-	4	1.49	2	0.98	3	1.29	1	0.47	-	-	-	-	11	1.39	3	0.43		2	0.54	1	0.30
5. Nutritional State -																										
Slightly defective		14	5.20	11	4.53	20	7.46	10	4.93	12	5.15	9	4.24	1	4.35	-	-	47	5.93	30	4.29		12	3.24	11	3.26
Bad		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
6. Mouth and teeth unhealthy		23	8.33	26	10.70	81	30.22	77	37.93	87	37.34	83	39.15	11	47.83	6	14.63	202	25.47	192	27.47		80	21.62	106	31.45
7. Naso-pharynx -																										
(a) Nose -																										
(i) Obstruction req. observ.		2	0.74	2	0.82	1	0.37	-	-	2	0.86	-	-	-	-	-	-	5	0.63	2	0.29		1	0.27	2	0.59
(ii) " (aden) " operation.		1	0.37	-	-	3	1.12	2	0.98	3	1.29	-	-	-	-	-	-	7	0.88	2	0.29		1	0.27	3	0.89
(iii) Other conditions		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
(b) Throat -																										
(i) Tonsils req. observ.		24	8.92	26	10 70	22	8.21	12	5.91	11	4.72	13	6.13	1	4.35	1	2.44	58	7.31	52	7.44		18	4.86	19	5.64
(ii) Tonsils req. operation		25	9.29	21	8.64	24	8.95	27	13.30	15	6.44	9	4.24	-	-	2	4.88	64	8.07	59	8.44		30	8.11	32	9.49
(c) Glands -																										
(i) Requiring observ.		39	14.50	59	24.28	42	15.67	25	12.31	19	8.15	8	3.77	-	-	2	4.88	100	12.61	94	13.45		15	4.05	19	5.64
(ii) Requiring operation.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	1	0.30

Nature of Defect	Systematic Examination of Age Groups.																					Examinations.				
		Number found with defects.																					Number found with defects.			
	Total number examined	Entrants				2nd Age Group				3rd Age Group				4th Age Group				Total in Age Groups				Number examined	All other Ages.			
	1492	269		243		268		203		233		212		23		41		793		699		707	370		337	
		Boys		Girls		Boys		Girls		Boys		Girls		Boys		Girls		Boys		Girls			Boys		Girls	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		No.	%	No.	%
8. Eyes -																										
(a) External Disease -																										
Blepharitis		1	0.37	2	0.82	2	0.75	1	0.49	3	1.29	-	-	-	-	-	-	6	0.76	3	0.43		3	0.81	4	1.19
Conjunctivitis		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
Corneal Opacities		2	0.74	-	-	-	-	-	-	1	0.43	-	-	-	-	-	-	3	0.38	-	-		1	0.27	-	-
Strabismus		8	2.97	6	2.47	5	1.86	4	1.97	5	2.14	3	1.41	-	-	3	7.32	18	2.27	16	2.29		15	4.05	4	1.19
Other Diseases		-	-	-	-	-	-	-	-	1	0.43	-	--	-	-	-	-	1	0.13	-	-		1	0.27	-	-
(b) Visual Acuity -																										
Fair		-	-	-	-	3	1.12	2	0.98	-	-	4	1.89	-	-	-	-	3	0.38	6	0.86		2	0.54	3	0.89
Bad		4	1.48	1	0.41	12	4.47	15	7.39	7	3.00	6	2.83	1	4.35	1	2.44	24	3.03	23	3.29		21	5.67	20	5.93
Recommended for refraction		12	4.46	3	1.23	16	5.97	18	8.87	7	3.00	8	3.77	1	4.35	1	2.44	36	4.54	30	4.29		26	7.03	24	7.12
9. Ears -																										
(a) Diseases -																										
Otorrhoea		1	0.37	-	-	-	-	-	-	1	0.43	-	--	-	-	-	-	2	0.25	-	-		1	0.27	2	0.59
Other Diseases		-	-	-	-	-	-	-	-	-	-	-	-	1	4.35	-	-	1	0.13	-	-		-	-	-	-
(b) Defective Hearing -																										
Grade 1.		1	0.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.13	-	-		1	0.27	-	-
Grade 11 (a)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
Grade 11 (b)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		1	0.27	-	-
Grade 111		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
10.Speech -																										
Defective articulation		2	0.74	-	-	2	0.75	-	-	-	-	-	-	-	-	-	-	4	0.50	-	-		3	0.81	2	0.59
Stammering		1	0.37	-	-	1	0.37	-	-	3	1.29	-	-	1	4.35	-	-	6	0.76	-	-		1	0.27	-	-
11.Mental and nervous condition -																										
(a) Backward (due to irregular attendance, absence or other extrinsic cause)		1	0.37	-	-	-	-	-	-	1	0.43	-	-	-	-	-	-	2	0.25	-	-		-	-	1	0.30
(b) Dull intrinsically		2	0.74	-	-	2	0.75	1	0.49	3	1.29	1	0.47	-	-	-	-	7	0.88	2	0.29		3	0.81	2	0.59
(c) Mentally defective (educable)		-	-	-	-	-	-	-	-	1	0.43	1	0.47	-	-	-	-	1	0.13	1	0.14		-	-	-	-

(d)/

TABLE 11 (continued)

1947/48.

Nature of Defect.	Systematic Examination of Age Groups.																					Other Systematic examinations.				
		Number Found with Defects.																					Number found with defects.			
	Total number examined	Entrants				2nd Age Group				3rd Age Group				4th Age Group				Total in Age Groups				Number examined	All other ages.			
	1492	269		243		268		203		233		212		23		41		793		699		707	370		337	
		Boys		Girls		Boys		Girls		Boys		Girls		Boys		Girls		Boys		Girls			Boys		Girls	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		No.	%	No.	%
11. Mental and nervous condition (contd.) -																										
(d) Mentally defective (uneducable)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		2	0.54	-	-
(e) Highly nervous or unstable		1	0.37	1	0.41	1	0.37	-	-	-	-	-	-	-	-	-	-	2	0.25	1	0.14		-	-	-	-
(f) Difficult in behaviour		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
12. Circulatory system -																										
(a) Organic heart disease -																										
(i) Congenital		1	0.37	-	-	-	-	-	-	1	0.43	-	-	-	-	-	-	2	0.25	-	-		-	-	-	-
(ii) Acquired		-	-	-	-	1	0.37	-	-	1	0.43	1	0.47	-	-	2	4.88	2	0.25	3	0.43		1	0.27	1	0.30
(b) Functional conditions		-	-	1	0.41	-	-	-	-	-	-	-	-	-	-	1	2.44	-	-	2	0.29		-	-	-	-
13. Lungs -																										
Chronic Bronchitis		12	4.46	7	2.88	4	1.49	-	-	5	2.14	6	2.83	-	-	-	-	21	2.65	13	1.86		4	1.08	8	2.37
Suspected Tuberculosis		-	-	1	0.41	-	-	-	-	-	-	1	0.47	-	-	-	-	-	-	2	0.29		1	0.27	2	0.59
Other Diseases		-	-	-	-	-	-	-	-	1	0.43	-	-	-	-	1	2.44	1	0.13	1	0.14		2	0.54	-	-
14. Deformities -																										
(a) Congenital		2	0.74	2	0.82	2	0.75	-	-	5	2.14	1	0.47	-	-	-	-	9	1.13	3	0.43		1	0.27	1	0.30
(b) Acquired (Infantile Paralysis)		-	-	-	-	-	-	-	-	-	-	1	0.47	-	-	-	-	-	-	1	0.14		1	0.27	-	-
(c) Acquired (probable Rickets)		8	2.97	2	0.82	2	0.75	2	0.98	4	1.72	2	0.94	1	4.35	-	-	15	1.89	6	0.86		2	0.54	1	0.30
(d) Acquired (other causes)		-	-	-	-	2	0.75	-	-	3	1.29	2	0.94	-	-	1	2.44	5	0.63	3	0.43		-	-	1	0.30
15. Infectious disease		1	0.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.13	-	-		-	-	-	-
16. Other diseases or defects		3	1.12	2	0.82	6	2.24	2	0.98	6	2.57	2	0.94	-	-	-	-	15	1.89	6	0.86		5	1.35	5	1.48

TABLE 111.

	Systematic Examination of Age Groups.											Other Systematic Examinations at Schools where all Children are Examined.	
	Entrants.		2nd Age Group		3rd Age Group		4th Age Group		Total in Age Group.				
	No. of children.	Percentage of children examined in this Group.	No. of children.	Percentage of children examined in this Group.	No. of children.	Percentage of children examined in this Group.	No. of cf children.	Percentage of children examined in this Group.	No. of children.	Percentage of children examined in All Groups.		No. of children.	Percentage of children examined.
1. No Defect	263	51.37	187	39.70	187	42.02	35	54.69	672	45.04		332	46.96
11. (a)6/12+(better eye) with or without glasses.	1	0.20	10	2.12	9	2.02	5	7.81	25	1.68		37	5.23
(b)Mouth or teeth likely to cause ill-health.	27	5.27	91	19.32	130	29.21	13	20.31	261	17.49		126	17.82
(c)Both (a) and (b)	-	-	6	1.28	3	0.67	-	-	9	0.60		5	0.71
Total	28	5.47	107	22.72	142	31.90	18	28.12	295	19.77		168	23.76
111. Temporary illness only	214	41.79	156	33.12	93	20.90	8	12.50	471	31.57		170	24.04
1V. (a)Cure expected by treatment	6	1.17	21	4.46	19	4.28	1	1.56	47	3.15		33	4.67
(b)Improvement only by treatment	1	0.20	-	-	4	0.90	2	3.13	7	0.47		4	0.57
Total	7	1.37	21	4.46	23	5.18	3	4.69	54	3.62		37	5.24
Total number of Children examined	512	100.00	471	100.00	445	100.00	64	100.00	1492	100.00		707	100.00

TABLE 1V.

RETURN OF ALL EXCEPTIONAL CHILDREN OF SCHOOL AGE IN THE AREA.

Disability.	At Ordinary Schools	At Special Schools or Classes	At no School or Institution	Total
1. Blind	-	1	-	1
2. Partially Sighted				
(a) Refractive errors in which the curriculum of an ordinary school would adversely affect the condition.	-	-	-	-
(b) Other conditions of the eye, e.g. cataract, ulceration, etc. which render the child unable to read ordinary school books or to see well enough to be taught in an ordinary school...........	-	-	-	-
3. Deaf -				
Grade 1	2	-	-	2
Grade 11a	-	-	-	-
Grade 11b	1	-	-	1
Grade 111	-	-	-	-
4. Defective Speech -				
(a) Defects of articulation requiring special educational measures....................	3	-	-	3
(b) Stammering requiring special educational measures	6	-	-	6
5. Mentally defective -				
(a) Educable (Intelligence Quotient approx. 50 - 70)	19	-	-	19
(b) Ineducable (Intelligence Quotient generally less than 50)	2	6	-	8
6. Epilepsy -				
(a) Mild and Occasional...........	2	-	-	2
(b) Severe (suitable for care in a residential school).....	-	-	-	-
7. Physically defective -				
(a) Non-pulmonary tuberculosis (excluding cervical glands)..	-	-	-	-
(b) General orthopaedic conditions..................	13	1	-	14
(c) Organic heart disease........	9	-	-	9
(d) Other causes of ill-health ..	7	-	-	7
8. Multiple Defects -				
(a) No. 3, Grade 111 & 4a	-	-	-	-

6. MEDICAL TREATMENT/

6. MEDICAL TREATMENT.

A. MINOR AILMENTS.

The Local Authority does not maintain Clinics or other organised arrangements for the treatment of minor ailments. Such cases are referred to the family doctor and treatment is carried out by the District Nurses under his supervision.

B. DEFECTIVE VISION AND SQUINT.

When children are found to be suffering from defective vision at routine examinations or are referred as special cases so affected, notification is sent to the parents and written permission obtained to carry out further examination.

The child is then fully examined and if errors of refraction are discovered, suitable correcting glasses are prescribed.

During the year 102 cases were recommended for refraction.

REPORT BY DR. T. CHALMERS, SCHOOLS OPHTHALMIC SURGEON.

During the past year I have visited schools in most areas of Ross-shire and have examined in all 166 children who were referred to me either by Dr. MacArthur or headmasters when visiting the area. The cases referred were mostly errors of refraction with one case of traumatic cataract and several with Blepharitis. The disconcerting feature of my examination was the relatively large number of children suffering from Squint either convergent or divergent.

30 children out of the total were suffering in this way and while in a few, vision came up with correction to 6/24ths or better in a large proportion vision was 6/60ths or less in the affected eye. 23 children examined did not require glasses as the error did not call for them. In analysing the types of defect 16% were due to Compound Hypermetropic Astigmatism about 12% were due to simple Hypermetropic Astigmatism, Simple Hypermetropia accounted for a similar total, mixed Astigmatism for 12%, Compound Myopic Astigmatism for 9%, Simple Myopic Astigmatism 3%, Simple Myopia of high degree 1½% and of lesser degree 7%.

It was not uncommon to discover that children were not always using their glasses or that they had become broken and no attempt had been made to have them repaired. This may spring from reluctance on their parents part to seeing their children wearing them or the children's dislike of them.

Particularly in the case of Squinting children would one urge that teachers be encouraged to see that the children wear them as other wise the child goes blind in the squinting eye and that can be so often avoided if treatment is begun early enough and persevered in. It would be of value if parents could be advised that on the first appearance of a squint the good eye be covered and the child brought to an eye clinic. We are hoping in the not too distant future to establish an Orthoptic clinic in this area where treatment and guidance can be given to the children and parents of such who are affected in this way.

I have to acknowledge great courtesy and helpfulness from headmasters and teachers in doing my work in the different schools and to the Public Health Department for making all the arrangements.

C. NOSE AND THROAT. (operative treatment)

When children are seen who appear to be in need of operative treatment for enlarged tonsils or adenoids, the parents are notified and informed that treatment is available under the County Council's Scheme, and at a cost within their means. If they express their willingness to avail themselves of this offe and if their family doctor concurs that treatment is desirable, the necessary arrangements are made. Treatment is carried out at the Royal Northern Infirmary Inverness. Due to various outbreaks of infectious diseases in the children's wa cases were slow in being admitted during the period under review.

During the year, 65 cases were so treated. No statistics are available of those treated privately.

D./

D, ORTHOPAEDIC AND POSTURAL DEFECTS (specialist treatment).

Cases are referred to Mr Murray Orthopaedic Surgeon, Inverness, who deals with them at his out-patient clinic or admits them to his wards at Raigmore Hospital.

7. DENTAL INSPECTION & TREATMENT.

TABLE V (MAINLAND)

(1)
Number of Children who were examined:-

Age	Routine Examination.		Special and Emergency Cases.		Totals
	Boys	Girls	Boys	Girls	
5	60	51	10	21	142
6	38	30	30	19	117
7	36	30	28	30	124
8	48	44	36	29	157
9	68	66	33	27	194
10	42	47	30	30	149
11	49	43	16	22	130
12	58	52	11	20	141
13	65	78	13	7	163
14	46	48	11	18	123
15	27	25	0	2	54
16	24	21	2	2	49
Over 16	12	16	1	0	29
Total	573	551	221	227	1,572

(2) Found to require treatment.		1055	
(3) Actually treated by Dental Officer.		825	
(4) Fillings	(a) Permanent teeth.	537	
	(b) Temporary teeth.	5	
(5) Extractions -			
	(a) Permanent teeth.	312	
	(b) Temporary teeth.	943	
(6) Other Operations -			(Including inlaying crowns and treatment for vincent's angina)
	(a) Permanent teeth.	349	
	(b) Temporary teeth.	21	
(7) Orthodontics.		13	
(8) Refusals.		349	
(9) Time devoted.		104	Half days.
(10) Number treated provately.		Not known.	

I am pleased to be still able to report that the children's teeth are maintaining the great improvement that has taken place in the last eight or or nine years, due to the supplies of Cod Liver Oil, Orange Juice, etc. the young children receive, the scarcity of sweets and biscuits, and also largely due to the increased interest the children now take in their teeth. This is shown by the large number in the special and emergency cases table, all these having come forward voluntarily.

When fillings are suggested now the number who refuse is very small, although there are still some parents who will not give their consent for fillings, but only for extractions. It is anticipated that the new National Dental Service will help the treatment of school children, as the benefits of a healthy mouth will be brought home to many parents who will now be able to receive treatment, and they will make their children look after their teeth.

William J. Ross L.D.S.

8. SPECIAL SCHOOLS & CLASSES./

8. SPECIAL SCHOOLS & CLASSES.

There are no Special Schools nor Special Classes within the County.

When cases either of physical defect or mental deficiency are definitely in need of institutional care, arrangements are made to send them to appropriat establishments elsewhere in Scotland.

9. ARRANGEMENTS FOR PHYSICAL EDUCATION AND PERSONAL HYGIENCE.

A. ACCOMMODATION FOR PHYSICAL EXERCISES.

A few of the larger schools have gymnasia, but, with these exceptions, physical instruction is given in the playgrounds or class room, which are not always well adapted for this purpose.

No special arrangements exist to provide children with spray baths and a rub down after physical exercise.

B. SWIMMING BATHS.

There are no swimming baths in the area.

C. PLAYING FIELDS.

There are no school playing fields other than school playgrounds.

D. SCHOOL CAMPS.

There are no organised school camps in the County.

E. PRACTICAL INSTRUCTION IN PERSONAL AND COMMUNAL HYGIENE.

There are no organised arrangements for this purpose, but a certain amount of instruction is given by individual teachers and by the school nurses. During the current year, various schools were visited by a lecture and film unit belonging to the Scottish Council for Health Education.

10. OTHER ACTIVITIES IN RELATION TO THE HEALTH OF SCHOOL CHILDREN.

PROPAGANDA ON HEALTH SUBJECTS.

Miss Weir, Superintendent of the Queen's Nurses, visits schools while in the area and gives short talks to the children.

ANNUAL REPORT

Island of Lewis

YEAR 1947/48.

1. LIST OF STAFF.

(a) Whole-time:-

Deputy Medical Officer of Health and Deputy School Medical Officer.

R. Stevenson Doig, M.B., Ch.B., D.P.H.

Clerkess to Deputy School Medical Officer and Deputy Medical Officer of Health.

Mrs. D.M. Morrison.

(b) Part-time:-

School Ophthalmic Consultant.

Theodore Chalmers, M.B., Ch.B., F.R.C.S.

School Dentists.

Matheson & Macdonald, L.D.S.

Clerk to Public Health Department.

Alex. D. MacIver.

School Nurses.

The Nurses employed by the various District Nursing Associations act as part-time Nurses in respect of the Schools within their respective areas.

2. GENERAL STATISTICS.

	Lewis.
Population of the Area (Estimated)	26,500
Number of Schools:-	
(a) Primary	34
(b) Junior Secondary	3
(c) Secondary	1
(d) Side Schools	1
(e) (i) Special Schools	-
(ii)Special Classes in Ordinary Schools..	-
(f) In respect of Grant from Education Authority and under Medical Inspection	All
Number of Children on the Registers	3,936

3. SANITARY/

3. SANITARY CONDITIONS OF SCHOOLS.

In the rural schools, conditions are what one would expect in premises without running water for washing, cleaning and sanitary conveniences. The Nicolson Institute is lamentably short of accommodation in all sections - Infant, Primary and Secondary. It is most acute in the Infant and Secondary Departments and Church Halls have had to be used to house classes. Redecoration of the schools is proceeding satisfactorily. Lighting, being natural, is satisfactory so long as daylight is good. Heating and ventilation are, in the main, by open fire and open window. While pointing out the enormous benefits which would be derived from tarred playgrounds with shelters and ample cloakrooms these are unknown in the majority of the rural schools in the Island. The provision of a proper hot mid-day meal would also be desirable, and arrangements to this end are in active progress in the form of building canteens throughout the Island. One would like to see a scheme for milk distribution in the schools, at least in the town.

4. ORGANISATION AND ADMINISTRATION.

The Scheme followed is that laid down by the Department of Health for Scotland. The District Nurse is in attendance with the School Medical Officer and parents are invited to attend with the children. The number of the latter who do so varies greatly in different districts.

B - System and Extent of Dental Inspection and Treatment.

There is a part-time firm of dentists - Messrs. Matheson & Macdonald - who are solely responsible for the detection and treatment of dental caries.

C - School Nursing and Arrangements for Following-up.

As previously mentioned, this is carried out by the District Nurse. She carries out the School Medical Officer's instructions, at home where necessary, e.g. syringing of ears for wax, instillation of drops etc. for discharging ears (the necessary drugs being supplied by the Public Health Department). Each month, the District Nurse inspects the children for cleanliness and presence of vermin, thereafter sending in to the Public Health Office the completed Report Form in respect of each school in her area.

D - Co-ordination with the Public Health Service and with other Departments of the Local Authority which render services to children.

As Deputy School Medical Officer and Deputy Medical Officer of Health there is no difficulty in co-ordinating the services, and cases of intractable otorrhoea, skin trouble, corneal ulcers, etc. are asked to attend at the County Hospital as out-patients and treatment is given. Similarly, any child suspected of tuberculosis - pulmonary or non-pulmonary - is taken to the County Hospital for x-ray and Mantoux test. All leavers are invited to attend for x-ray examination.

E - Co-operation with Voluntary Bodies and other Outside Agencies.

As mentioned under a previous heading, the District Nurses attend the schools and assist the School Medical Officer and there is thus a close co-operation with them in carrying out the duties of School Medical Inspection. Operative treatment for tonsils and adenoids is carried out under arrangement with the Lewis Hospital Managers.

When requiring the help of the District Inspector of the Royal Society for Prevention of Cruelty to Children in cases of neglect, which is on very rare occasions, such assistance is readily obtained.

F - Co-operation with Teachers and Parents.

Almost without exception, the teachers facilitate the carrying out of the Inspections by making all the preliminary arrangements, e.g. having the Medical Cards filled up and the measuring and weighing of the children done.

In/

In certain districts there is a very good attendance of parents at the inspection and one is very pleased indeed that this is so. While the presence of the parents adds to the duration of time required for inspection, it is gratifying to note that some parents take an interest in the school inspection of their children and this is all to the good.

5. THE FINDINGS OF MEDICAL INSPECTION - Year 1947/48.

A. General Review.

1. CLOTHING.

The clothing of the children was found to be satisfactory at routine inspection.

Of 1,175 children examined in Systematic Age Groups and 248 dealt with at other Systematic Examinations, none was found to have clothing which was insufficient or unclean or both.

2. FOOTGEAR.

Of 1,175 children examined in Systematic Age Groups and 248 dealt with at other Systematic Examinations, none was found to have unsatisfactory footgear.

3. UNCLEANLINESS OF HEAD AND BODY.

Of 1,175 children examined in Systematic Age Groups, 30 or 2.55% were found to have unclean or verminous heads and 9 or 0.76% verminous bodies.

Of 248 children examined at Other Systematic Examinations, none had unclean or verminous heads or verminous bodies.

4. SKIN DISEASES.

(a) Head -

Among 1,175 children examined in Systematic Age Groups, the following were the results:-

Ringworm	.....	-	-	-
Impetigo	.....	-	-	-
Other Diseases	.....	1	or	0.08%

Other Systematic Examinations of 248 children showed:-

Ringworm	.....	-	-	-
Impetigo	.....	-	-	-
Other Diseases	.....	-	-	-

(b) Body -

Of 1,175 children examined in Systematic Age Groups, the following were the results:-

Ringworm	.....	-	-	-
Impetigo	.....	-	-	-
Scabies	.....	3	or	0.25%
Other Diseases	.....	-	-	-

Among 248 children examined at Other Systematic Examinations, conditions were as follows:-

Ringworm	.....	-	-	-
Impetigo	.....	-	-	-
Scabies	.....	1	or	0.40%
Other Diseases	.....	-	-	-

5. NUTRITIONAL STATE.

Of 1,175 children examined in the Systematic Age Groups and the 248 children seen at Other Systematic Examinations, none showed slight nutritional defects.

Of 1,175 children examined in the Systematic Age Groups 2 or 0.17% were slightly defective and none in a bad nutritional state, while among the 248 children seen at Other Systematic Examinations none was found as being either slightly defective or in a bad nutritional state.

6. MOUTH AND TEETH.

Of 1,175 children examined in the Systematic Age Groups, 24 or 2.23% were regarded as having unhealthy conditions of the mouth and teeth.

Of 248 Other Systematic Examinations 4 or 1.61% were found defective.

7. NASO-PHARYNX.

Among the 1, 175 children examined in Systematic Age Groups, the following defects were found:-

(a) Nose -

(1)	Obstruction requiring observation	3 or 0.25%
(2)	Obstruction requiring operative treatment	1 or 0.08%
(3)	Other conditions	- - -

(b) Throat -

(1)	Tonsils requiring observation	38 or 3.23%
(2)	Tonsils requiring operative treatment	7 or 0.59%

(c) Glands -

(1)	Requiring observation	4 or 0.34%
(2)	Requiring operative treatment	3 or 0.25%

For 248 children examined under Other Systematic Examinations, the figures were as follows:-

(a) Nose -

(1)	Obstruction requiring observation	1 or 0.40%
(2)	Obstruction requiring operative treatment	1 or 0.40%
(3)	Other conditions	- - -

(b) Throat -

(1)	Tonsils requiring observation	5 or 2.01%
(2)	Tonsils requiring operative treatment	2 or 0.80%

(c) Glands -

(1)	Requiring observation	- - -
(2)	Requiring operative treatment	- - -

8. EYES.

(a) External Diseases -

In the Systematic Age Groups, the 1,175 children examined presented the following defects:-

Blepharitis	2 or 0.17%
Conjunctivitis	- - -
Corneal/	

Corneal Opacities	-	-	-
Strabismus	5	or	0.42%
Other Diseases	3	or	0.25%

As a result of 248 Other Systematic Examinations, the following were disclosed:-

Blepharitis	2	or	0.8[illegible]%
Conjunctivitis	-	-	-
Corneal Opacities	-	-	-
Strabismus	4	or	1.61%
Other Diseases	-	-	-

(b) Visual Acuity -

Of 1, 175 children in Systematic Age Groups, 34 or 2.89% were found to have defective vision not worse than 6/12 in the better eye and 44 or 3.66% had more serious defect. 61 of these were recommended for refraction.

As a result of 248 Other Systematic Examinations 10 or 4.03% were found to have defective vision not worse than 6/12 in the better eye and 14 or 1.19% had vision worse than this. 23 were recommended for refraction.

9. EARS.

(a) Diseases -

In Systematic Age Groups, 1,175 children were examined. 4 or 0.34% were found to suffer from Otorrhoea and other diseases of the ear.

Of the 248 children examined at Other Systematic Examinations none suffered from any diseases of the ear.

(b) Defective Hearing -

Of the 1,175 children examined in Systematic Age Groups, cases of defective hearing of the following degrees and numbers were noted:-

Grade 1	-	-	-
Grade 11	-	-	-
Grade 111	-	-	-

In respect of 248 children dealt with under Other Systematic Examinations, the relevant details were:-

Grade 1	1	or	0.40%
Grade 11a	1	or	0.40%
Grade 11b	-	-	-
Grade 111	-	-	-

10. SPEECH.

In Systematic Age Groups 1,175 children were examined and of these 4 or 0.34% had defective articulation and none suffered from stammer.

Amongst the 248 children at Other Systematic Examinations, none had defective articulation and none suffered from stammer.

11. MENTAL AND NERVOUS CONDITION.

In Systematic Age Groups 1,175 children were examined and the following defects found:-

(a) Backward (due to irregular attendance), ...	1	or	0.08%
(b) Dull (intrinsically)	1	or	0.08%
(c) Mentally Defective (educable)	-	-	-
(d) Mentally Defective (ineducable)	-	-	-
(e) Highly Nervous or Unstable	-	-	-
(f) Difficult in behaviour	-	-	-

For/

For 248 children examined at Other Systematic Examinations, the figures were:-

(a)	Backward (due to irregular attendance)	- - -
(b)	Dull (intrinsically)	- - -
(c)	Mentally Defective (educable)	- - -
(d)	Mentally Defective (ineducable)	1 or 0.40%
(e)	Highly Nervous or unstable	- - -
(f)	Difficult in behaviour	- - -

12. CIRCULATORY SYSTEM.

Amongst the 1,175 children examined in Systematic Age Groups, the following defects were found:-

(a) Organic Heart Disease -

(1)	Congenital	2 or 0.17%
(2)	Acquired	2 or 0.17%

(b) Functional Conditions - 1 or 0.08%

At Other Systematic Examinations, 248 children presented the following defects:-

(a) Organic Heart Disease -

(1)	Congenital	- - -
(2)	Acquired	- - -

(b) Functional Conditions - - - -

13. LUNGS.

In Systematic Age Groups 1,175 children were examined and the following defects disclosed:-

Chronic Bronchitis	17 or 1.45%
Suspected Tuberculosis	3 or 0.25%
Other Diseases	13 or 1.10%

For 248 children examined at Other Systematic Examinations, the figures were:-

Chronic Bronchitis	1 or 0.40%
Suspected Tuberculosis	- - -
Other Diseases	6 or 2.42%

14. DEFORMITIES.

The following defects were found amongst the 1,175 children examined in Systematic Age Groups:-

(a)	Congenital	4 or 0.34%
(b)	Acquired (Infantile Paralysis)	1 or 0.08%
(c)	Acquired (probable Rickets)	- - -
(d)	Acquired (other causes)	3 or 0.25%

For 248 children seen at Other Systematic Examinations, the figures were:-

(a)	Congenital	- - -
(b)	Acquired (Infantile Paralysis)	- - -
(c)	Acquired (probable Rickets)	1 or 0.40%
(d)	Acquired (other causes)	1 or 0.40%

15. INFECTIOUS DISEASES.

Of 1,175 children examined in Systematic Age Groups 1 or 0.08% was found to be suffering from infectious disease.

16. OTHER DISEASES OR DEFECTS.

No case of miscellaneous defects not otherwise classified was found amongst the 1,175 children examined in Systematic Age Groups, nor in the 248 children seen at Other Systematic Examinations.

STATISTICAL TABLES.

TABLE 1.

Total number of children examined at:-

	Systematic Age Group Examinations.	Other Systematic Examinations.
Entrants	418	
Second Age Group	363	
Third Age Group	347	All Ages
Fourth Age Group	47	
TOTAL	1,175	248

TABLE 11/

SCHOOL YEAR 1947/48.

TABLE 11.

Nature of Defect.	Systematic Examination of Age Groups																				Other Systematic Examinations.			
	Number found with defects.																					Number found with defects.			
	Total number examined	Entrants				2nd Age Group				3rd Age Group				4th Age Group				Total in Age Groups				Number examined.	All other Ages			
	1175	209		209		201		162		188		159		25		22		623		552		248	113		135	
		Boys		Girls		Boys		Girls		Boys		Girls		Boys		Girls		Boys		Girls			Boys		Girls	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		No.	%	No.	%
1. Clothing unsatisfactory.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
2. Footgear unsatisfactory.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
3. Uncleanliness -																										
(a) Head		3	1.43	7	3.35	1	0.50	8	4.94	-	-	9	5.66	-	-	2	9.18	4	0.64	26	4.56		-	-	3	2.22
(b) Body		1	0.48	-	-	2	1.00	-	-	-	-	2	1.26	2	8.00	2	9.18	5	0.80	4	0.72		-	-	-	-
4. Skin -																										
(a) Head -																										
Ringworm		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
Impetigo		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
Other Diseases		1	0.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.16	-	-		-	-	-	-
(b) Body -																										
Ringworm		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
Impetigo		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
Scabies		1	0.48	-	-	-	-	-	-	1	0.53	1	0.63	-	-	-	-	2	0.32	1	0.18		1	0.88		
Other Diseases		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
5. Nutritional State -																										
Slightly defective		-	-	1	0.48	-	-	1	0.62	-	-	-	-	-	-	-	-	-	-	2	0.36		-	-	-	-
Bad		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
6. Mouth and teeth unhealthy		3	1.43	5	2.39	4	2.00	5	3.09	5	2.66	2	1.26	-	-	-	-	12	1.92	12	2.17		1	0.88	3	2.22
7. Naso-pharynx -																										
(a) Nose -																										
(i) Obstruction req. observ.		1	0.48	1	0.48	-	-	-	-	-	-	1	0.63	-	-	-	-	1	0.16	2	0.36		1	0.88	-	-
(ii) " (aden) " operation		-	-	-	-	1	0.50	-	-	-	-	-	-	-	-	-	-	1	0.16	-	-		1	0.88	-	-
(iii) Other conditions		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
(b) Throat -																										
(i) Tonsils req. observ.		5	2.39	8	3.83	12	6.00	4	2.47	2	1.06	3	1.89	2	8.00	2	9.18	21	3.37	17	3.08		-	-	5	3.70
(ii) Tonsils req. operation.		1	0.48	2	0.96	-	-	-	-	3	1.59	1	0.63	-	-	-	-	4	0.64	3	0.54		1	0.88	1	0.74
(c) Glands -																										
(i) Req. observation		1	0.48	2	0.96	-	-	1	0.62	-	-	-	-	-	-	-	-	1	0.16	3	0.54		-	-	-	-
(ii) Req. operation		2	0.96	-	-	-	-	-	-	1	0.53	-	-	-	-	-	-	3	0.48	-	-		-	-	-	-

8./

Nature of defect.	Systematic examination of age groups.																						Examinations			
		Number found with defects.																					Number found with defects			
	Total number examinod	Entrants				2nd Age Group				3rd Age Group				4th Age Group				Total in age Groups				Number examined	All other Ages			
	1175	209		209		201		162		188		159		25		22		623		552		248	113		135	
		Boys		Girls		Boys		Girls		Boys		Girls		Boys		Girls		Boys		Girls			Boys		Girls	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		No.	%	No.	%
8. Eyes -																										
(a) External disease -																										
Blepharitis		1	0.48	3	1.44	1	0.50	-	-	-	-	-	-	-	-	-	-	2	0.32	-	-		-	-	2	1.48
Conjunctivitis		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
Strabismus		1	0.48	1	0.48	2	1.00	-	-	-	-	1	0.63	-	-	-	-	3	0.48	2	0.36		2	1.77	2	1.48
Other Diseases		1	0.48	1	0.48	-	-	-	-	1	0.53	-	-	-	-	-	-	2	0.32	1	0.18		-	-	-	-
(b) Visual acuity -																										
Fair		3	1.43	1	0.48	12	6.00	6	3.70	4	2.12	3	1.89	4	16.00	1	4.84	23	3.69	11	1.99		6	5.31	4	2.96
Bad		-	-	-	-	6	3.00	17	10.49	8	4.26	9	5.66	1	4.00	3	13.64	15	2.40	29	5.25		6	5.31	8	5.92
Recommended for refraction		4	1.91	3	1.44	15	7.50	13	8.02	12	6.38	7	4.40	3	12.00	4	18.18	34	5.45	27	4.89		11	9.73	12	8.89
9. Ears -																										
(a) Diseases -																										
Otorrhoea		-	-	1	0.48	-	-	2	1.23	-	-	-	-	1	4.00	-	-	1	0.16	3	0.54		-	-	-	-
Other Diseases		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
(b) Defective hearing -																										
Grade 1		-	-	-	-	-	-	-	-	-	-	-	-	1	4.00	-	-	1	0.16	-	-		-	-	-	-
Grade 11(a)		-	-	-	-	-	-	-	-	-	-	1	0.63	-	-	-	-	-	-	1	0.18		-	-	-	-
Grade 11(b)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
Grade 111		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
10. Speech -																										
Defective Articulation		1	0.48	1	0.48	1	0.50	-	-	-	-	1	0.63	-	-	-	-	2	0.32	2	0.36		-	-	-	-
Stammering		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
11. Mental & Nervous condition -																										
(a) Backward (due to irregular attendance or other intrinsic cause)		1	0.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.16	-	-			-	-	-
(b) Dull intrinsically		1	0.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.16	-	-		-	-	-	-
(c) Mentally defective (educable)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-

(d)/

TABLE 11 (continued)

	Systematic examination of Age Groups.																					Other Systematic Examinations.				
Nature of defect.	Number found with defects.																						Number found with defects.			
	Total number examined.	Entrants				2nd Age Group				3rd Age Group				4th Age Group				Total in Age Groups.				Number examined.	All other Ages.			
	1175	209		209		201		162		188		159		25		22		623		552		248	113		135	
		Boys		Girls		Boys		Girls		Boys		Girls		Boys		Girls		Boys		Girls			Boys		Girls	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		No.	%	No.	%
11. Mental & Nervous condition(contd.)																										
(d) Mentally defective(uneducable)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	1	0.74
(e) Highly nervous or unstable		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
(f) Difficult in behaviour		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
12. Circulatory system -																										
(a) Organic heart disease -																										
(i) Congenital		-	-	2	0.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0.36		-	-	-	-
(ii) Acquired		-	-	1	0.48	1	0.50	-	-	-	-	-	-	-	-	-	-	1	0.16	1	5.18		-	-	-	-
(b) Functional conditions		1	0.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.16	-	-		-	-	-	-
13. Lungs -																										
Chronic bronchitis		-	-	3	1.44	7	3.50	3	1.85	2	1.06	1	0.63	1	4.00	-	-	10	1.60	7	1.26		1	0.88	-	-
Suspected tuberculosis		-	-	-	-	1	0.50	-	-	-	-	-	-	-	-	2	9.18	1	0.16	2	0.36		-	-	-	-
Other diseases		8	3.82	4	1.91	-	-	1	0.62	-	-	-	-	-	-	-	-	8	1.28	5	0.90		5	4.42	1	0.74
14. Deformities -																										
(a) Congenital		-	-	-	-	1	0.50	3	1.85	-	-	-	-	-	-	-	-	1	0.16	3	0.54		-	-	-	-
(b) Acquired(Infantile Paralysis)		-	-	-	-	1	0.50	-	-	-	-	-	-	-	-	-	-	1	0.16	-	-		-	-	-	-
(c) Acquired(probable Rickets)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	1	0.74
(d) Acquired(other causes)		-	-	3	1.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	0.54		1	0.88	-	-
15. Infectious Diseases		-	-	-	-	1	0.50	-	-	-	-	-	-	-	-	-	-	1	0.16	-	-		-	-	-	-
16. Other diseases or defects		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-

TABLE 111. 1947/48.

	Entrants		Systematic Examination of Age Groups.											Other Systematic Examinations at Schools where all Children are Examined.	
			2nd Age Group.		3rd Age Group		4th Age Group		Total in Age Groups						
	Number of children.	Percentage of children examined in this Group.	No. of children.	Percentage of children examined in this Group.	No. of children.	Percentage of children examined in this Group.	No. of children.	Percentage of children examined in this Group.	No. of children.	Percentage of children examined in this Group.				No. of children.	Percentage of children examined in this Group.
1. No defects	357	85.40	269	74.10	294	84.73	35	74.48	955	81.28				200	80.65
11. (a) 6/12 + (better eye) with or without glasses	3	0.72	19	5.23	11	3.17	3	6.38	36	3.06				12	4.84
(b) Mouth or teeth likely to cause ill-health	2	0.48	7	1.94	7	2.02	-	-	16	1.37				4	1.61
(c) Both (a) and (b)	-	-	-	-	-	-	-	-	-	-				-	-
Total	5	1.20	26	7.17	18	5.19	3	6.38	52	4.43				16	6.45
111. Temporary illness only	49	11.72	38	10.46	16	4.61	4	8.51	107	9.10				19	7.66
1V. (a) Cure expected by treatment	5	1.20	26	7.17	14	4.03	4	8.51	49	4.17				4	1.61
(b) Improvement only by treatment	2	0.48	4	1.10	5	1.44	1	2.12	12	1.02				9	3.63
Total	7	1.68	30	8.27	19	5.47	5	10.63	61	5.19				13	5.24
Total number of children examined	418	100.00	363	100.00	347	100.00	47	100.00	1175	100.00				248	100.00

TABLE 1V.

RETURN OF EXCEPTIONAL CHILDREN OF SCHOOL AGE IN THE AREA.

Disability.	At Ordinary Schools.	At Special Schools or Classes	At no School or Institution	Total.
1. Blind	-	-	-	-
2. Partially sighted -				
(a) Refractive errors in which the curriculum of an ordinary school would adversely affect the condition	3	-	-	3
(b) Other conditions of the eye e.g. cataract, ulceration etc. which render the child unable to read ordinary school books or to see well enough to be taught in an ordinary school	-	-	-	-
3. Deaf -				
Grade 1	2	-	-	2
Grade 11a	-	-	-	-
Grade 11b	-	-	-	-
Grade 111	-	-	-	-
4. Defective Speech -				
(a) Defects of articulation requiring special educational measures	2	-	-	2
5. Mentally Defective -				
(a) Educable (Intelligence quotient approx. 50 - 70)	4	-	-	4
(b) Ineducable (Intelligence quotient generally less than 50)	2	-	3	5
6. Epilepsy -				
(a) Mild and Occasional	2	-	-	2
(b) Severe (suitable for care in a residential school)	-	-	-	-
7. Physcially defective -				
(a) Non-pulmonary tuberculosis (excluding cervical glands)	3	-	2	5
(b) General orthopaedic conditions	5	-	-	5
(c) Organic heart disease	-	-	-	-
(d) Other causes of ill-health....	-	-	-	-
8. Multiple Defects -				
(a) No. 3, Grade 111 and 4a	-	-	-	-

6. MEDICAL TREATMENT/

6. MEDICAL TREATMENT.

A. - MINOR AILMENTS.

The Local Authority does not maintain clinics or other organised arrangements for the treatment of minor ailments. Such cases are referred to their own family doctor and treatment is carried out by the District Nurses under his supervision.

B. - DEFECTIVE VISION AND SQUINT.

When children are found to be suffering from defective vision at routine examinations or are referred as special cases so affected, arrangements are made for further examinations to be made at the County Hospital.

The child is then fully examined and if errors of refraction are discovered, suitable correction glasses are prescribed.

The number of cases referred for eye conditions was 84.

The following table gives details of the cases treated:-

Myopia	....	8
Myopic Astigmatism	....	7
Hypermetropia	....	3
Hypermetropic Astigmatism	....	3
Mixed Astigmatism	....	10
Strabismus	....	4
Insignificant or no refractive error	....	8
Number of pupils examined by retinoscopy	....	43
Number of cases provided with glasses prescription	....	35

C. - NOSE AND THROAT (Operative Treatment).

When children are seen who appear to be in need of operative treatment for enlarged tonsils or adenoids, the parents are notified and informed that treatment is available at the Lewis Hospital free of charge.

D. - ORTHOPAEDIC AND POSTURAL DEFECTS (Specialist Treatment).

Where the condition is of a tuberculous nature, the child is admitted to the County Hospital and treatment with splint, if necessary, is given.

7. DENTAL INSPECTION AND TREATMENT.

TABLE V.

Number of children who were -

(1) Inspected by Dental Officer -
(No systematic inspections are undertaken by the Dental Officer).

		Systematic Examinations.	Special and Emergency Cases.
(2)	Found to require treatment (at routine S.M.I.)	-	-
(3)	Actually treated by School Dental Officer	-	368
(4)	Number of attendances made by children for treatment ...	-	506
(5)	Fillings (both temporary and permanent)	-	77
(6)	Extractions -		
	(a) Temporary Teeth	-	449
	(b) Permanent Teeth	-	188

(7)/

TABLE V. (Contd.)

		Systematic Examinations.	Special and Emergency Cases.
(7)	Number of administrations of a general anaesthetic for extractions	-	-
(8)	Other Operations - (a) Permanent) (Scalings) (b) Temporary)	-	52
(9)	Half-days devoted to Inspection	-	-
	Half-days devoted to Treatment	-	-
(10)	Number of children treated under private arrangements ...	Not known.	